



All-in-One Hybrid Inverter & Battery Systems

Reliable, Future Smart Energy Storage Solutions from GARO

NEW LAUNCH AT GARO



A complete solar & storage solution in one compact unit.
The GARO All-in-One combines a high performance hybrid inverter with modular lithium battery storage, delivering reliable, low-carbon energy - day and night



All-in-One Design

Inverter & battery in a single stack for a clean, quick installation



Smart App & Remote Access

Real-time control with the Solarman app, anytime & anywhere



Efficient & Reliable

High performance & built for long term use



Quiet Operation

Low noise design, suitable for residential environments



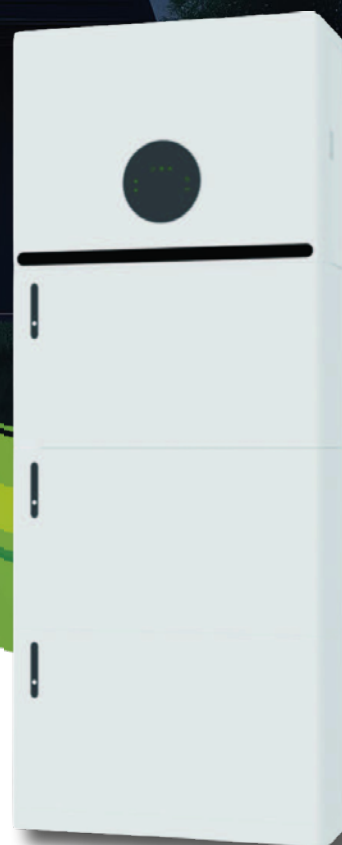
Flexible & Future Ready

Start with the system you need & expand later (10 - 30kWh)



Backup Power

EPS output for power during outages



AC OUTPUT (GRID)

Rated AC Output Power	5,000W
Max. AC Output Power (10 mins)	5,500W
AC Output Voltage/Frequency	230V/50 Hz (Single Phase)
Max. AC Output Current	24A
Power Factor	0.8 Leading - 0.8 Lagging
THD	< 3 %

PV INPUT (DC)

Number of MPPTs	2
MPPT Voltage Range	80V - 500V
Max. PV Input Voltage	550V
Max. PV Input Power	7,500W (150% Oversizing)
Max. PV Input Current (per MPPT)	14A

BATTERY

Battery Voltage Range	180V - 600V (High Voltage LiFePO ₄)
Max Charge/ Discharge Power	5,000W
Battery Capacity (Modular)	10/15/20/30kWh
Battery Type	LiFePO ₄ (Lithium Iron Phosphate)

EPS (BACKUP) OUTPUT

Bated Output Power	5,000W
Switch Time	< 10 ms
Output Voltage/Frequency	230V/50Hz
Max Output Current	24A

GENERAL

Inverter Efficiency (Max)	97.6%
Operating Temperature	-25°C to +60°C
Protection	DC Isolation, AC Overcurrent, Anti-islanding, Surge Protection
Communication	WiFi (Solarman), RS485, CAN
Mounting	Floor Mounted (All-in-One Stack)
IP Rating	IP65 (Inverter)
Standards	EN 50549, CE, UKCA

Real Time Insights, Anywhere.

Monitor, Manage & Optimise with the Solarman App

- Live System Overview
- Daily, Monthly & Yearly Reports
- Battery Charge/Discharge Information
- Track Grid Import & Export
- Simple, User-friendly Interface
- Available on iOS & Android

